

DOE/047/018



SOHIO SHALE OIL COMPANY

50 SOUTH MAIN STREET, SUITE 930
SALT LAKE CITY, UTAH 84144

TELEPHONE (801) 328-3700

RECEIVED
OCT 24 1983

DIVISION OF
OIL, GAS & MINING

October 21, 1983

JIM
OCT 25 1983

Mr. James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City UT 84114

Dear Mr. Smith:

Attached for your consideration is our "Declaration of Exemption" for mining we intend to do on Asphalt Ridge in early November. This mining will disturb less than two acres and will involve less than 500 tons.

In addition to completing MR Form 4, we have provided you with a map of the area to be mined and a scope of work which was sent to the contractors for bid. Included in the scope of work is the reclamation which we expect to undertake at the conclusion of this work. We will notify you when all this year's work in the area is completed.

If you have any questions concerning our exemption, please feel free to contact either me or Robert Dudiak at the above address or number. We look forward to your early reply.

Sincerely,

A handwritten signature in blue ink that reads "T. F. LaMore".

T. F. LaMore, Manager
Shale Oil/Tar Sands

jeh
Encls.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84114

DECLARATION OF EXEMPTION

(See Mined Land Reclamation Act 40-8-4[6].)

As provided for in Section 40-8-4, UCA 1953, I hereby declare an exemption from the "Utah Mined Land Reclamation Act," in that less than 500 tons of material is being mined or less than two (2) acres of land is being excavated or used as a disposal site during a period of twelve (12) consecutive months, from the following designated claims, leases or fee acreage.

NAME OF CLAIM, LEASE OR FEE ACREAGE	LOCATION			
	1/4, 1/4 SECTION	TOWNSHIP	RANGE	COUNTY
<u>Sohio Shale Oil Co. (Fee)</u>	<u>NE/4 SW/4 31</u>	<u>5 S</u>	<u>22E</u>	<u>Uintah</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Commodity: Tar Sands

Date: October 21, 1983 Signature: T. F. LaMore

OPERATOR: Sohio Shale Oil Company, Attn: T. F. LaMore

ADDRESS: 50 South Main Street, Suite 930, Salt Lake City UT 84144

TELEPHONE: (801) 328-3700

*This form needs to be filed one time only. In the event more than the minimum size requirements are to be mined, a Notice of Intention to Commence Mining Operations and Mining and Reclamation Plan (MR Form 1) will need to be filed with this office, at least 90 days prior to the anticipated expansion.

SOHIO ASPHALT RIDGE TAR SANDS PROJECT
October 1983

Request for Bid

A. Statement of Services

Scope

The work to be performed consists of furnishing all labor, equipment, and materials for the mining of approximately 120 tons of tar sand from a location on Sohio's property at Asphalt Ridge in Uintah County, North-eastern Utah. The work will also include transporting or arranging for the transportation of the mined rock and 120 additional tons (total 24 tons) obtained from the Uintah County asphalt pit to the Colorado School of Mines (CSM) in Golden, Colorado and Edmonton, Alberta, Canada as per the Technical Requirements below.

The mining will be at the surface beginning at the tar sand outcrop. The maximum overburden that may be required to be removed will not exceed 20 feet. A hydraulic ripper will be used to break the rock. No blasting will be required.

The tar sand is to be used to test Sohio's extraction method in a pilot plant to be located at the CSM and to test another extraction process in Canada.

Period of Performance

The mining and transportation of the material will begin the first week of November 1983. The dates for the work will be verified when the contract is awarded.

B. Technical Requirements

General:

Mining and transporting of the tar sand will include the following activities.

- (1) Creating adequate temporary drainage to prevent runoff from entering pit area;
- (2) Cleaning the mine site of vegetation;
- (3) Removing and storing any top soil and overburden separately and stockpiling them within 300 feet of the site;
- (4) Removing the upper tar sand that is weathered or chemically degraded and pushing it to the edge of the pit (using a bulldozer);

- (5) Mining a total of 120 tons of uncontaminated tar sand by means of a hydraulic ripper;
- (6) Loading the tar sand into dump trucks (using a front-end loader);
- (7) Hauling 100 tons of mined tar sand and 100 tons of tar sand to be obtained from the county pit to the Colorado School of Mines in Golden, Colorado;
- (8) Hauling 20 tons of mined tar sand and 20 tons of Uintah County pit tar sand to Kryer, Edmonton, Alberta, Canada;
- (9) Restoring the overburden and waste materials to the mined out pit;
- (10) Replacing top soil over refilled pit area.
- (11) Reclaiming the area.

Equipment:

The minimum amount of equipment required for mining and hauling should include:

- o A tractor-dozzer with a single shank ripper (Cat. D-7G series or better);
- o A front-end loader with a 1.5 yd³ rock bucket (Cat. 920 or equivalent);
- o Two dump trucks, 20-ton capacity each with canvas covers.

Contamination:

Reasonable care should be taken to insure that the tonnage loaded on to the dump trucks are clean samples. They should be as free of waste material as possible. The truck beds should be reasonably clean.

County Pit Material:

Sohio will make arrangements for the 120 tons of tar sand to be obtained from the Uintah County asphalt pit. The Contractor's dump trucks will be loaded at the asphalt pit by County-operated loaders and then hauled to the respective locations as described above.

Haulage:

The contractor may arrange for the tar sand to be hauled by a trucking subcontractor to the destinations as described above. The dump trucks must have covers to protect the sample from the weather and to prevent excessive loss of volatiles. Canvas covers are suggested, however, a better alternative will be accepted.

A minimum of two dump trucks will be required due to the distance to Golden, Colorado and the period within which the work must be completed. The 40 tons to be tested in Canada is to be delivered after all the Colorado tonnage is delivered.

Reclamation:

All mined area ground disturbances will be reclaimed by removing all trash and debris, recontouring the area disturbed, replacing top soil and revegetation of disturbed areas. Reseeding where necessary will be done using a mixture of eight parts crested wheatgrass, one part fourwing saltbush and one part winterfat. The seeds are to be raked into the soil.

C. Compensation

Contractor is to state in his proposal the unit costs he charges for each of the above described tasks. He is to further state any charges for services not covered above, but considered by him to be necessary for the effective completion of the work covered in these Technical Specifications.

Unit costs should be detailed similar to attachment.

Contractor to be paid one lump sum upon receipt and approval of invoice after completion of work.

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